UNITED STATES ENVIRONMENTAL PROTECTION AGENCY **REGION III**

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841 Chestnut Building Philadelphia, Pennsylvania 19107

Review of SI for Rodale Manufacturing Company DATE:

SEP 2 2 1989

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FROM:

Fred Sturniolo, Hydrologist

Site Support Section (3HW26)

TO:

Ben Mykijewycz, Chief James McCreary, SIO

Site Investigation Section (3HW23)

SI Report Checklist - Hydrogeology

Section 2.0, The Site	les , }	NO	NA
USGS quad indicated	V		
Latitude and longitude noted			
Discussion refers to site sketch in text	/		
Proper USGS symbols indicated on site sketch	1		
Site boundaries, if known, indicated on site sketch	V		
North arrow oriented properly on site sketch		1	
Narrative and site sketch are consistent	V		
·			
Approximate scale is provided in narrative or on site sketch			
	Latitude and longitude noted Discussion refers to site sketch in text Proper USGS symbols indicated on site sketch Site boundaries, if known, indicated on site sketch North arrow oriented properly on site sketch Narrative and site sketch are consistent Approximate scale is provided in narrative	Latitude and longitude noted Discussion refers to site sketch in text Proper USGS symbols indicated on site sketch Site boundaries, if known, indicated on site sketch North arrow oriented properly on site sketch Narrative and site sketch are consistent	Latitude and longitude noted Discussion refers to site sketch in text Proper USGS symbols indicated on site sketch Site boundaries, if known, indicated on site sketch North arrow oriented properly on site sketch Narrative and site sketch are consistent Approximate scale is provided in narrative

a. Location of surface water intakes

b. Location of public water supply wells

B. Surface Water	Yes	No	NA
 Artificial and natural surface water bodies identified (includes springs, lakes, ponds intermittent and perennial streams, etc) 			
2. Distances on streams/creeks/rivers noted in stream miles	/		
3. Drainage patterns described			
Please describe this element.			
4. Hydrologic and geologic aspects of wetlands discussed		~	
The existence or non-existence of be mentioned,	netland	l area:	ی د
C. Geology	Yes	No	NA
C. Geology l. Formations underlying the site described	Yes	No	NA
2. Other formations present within the 3-mile radius but not under the site are	Yes	No .	NA
1. Formations underlying the site described 2. Other formations present within the	Yes	No	NA
2. Other formations present within the 3-mile radius but not under the site are described with respect to:	Yes	No	NA

				OKIGINAL
D.	Soils	Yes	No	(Red)
1.	Native soils identified via SCS reports			
			<u> </u>	
2.	Soil map included			
3.	Non-native soils, or disturbances to natural soils, qualitatively identified	V		
4.	Permeability of natural soils			
-	indicated			
5.	pH of natural soils indicated			
<u>E.</u>	Groundwater	Yes	No	NA NA
1.	Uppermost aquifer underlying the site and any aquifers hydraulically connected are described	_i/		
2.	Aquifer characteristics of aquifer(s) described in El	1		
3 .	Confining units/barriers to ground-water flow are described	V		
4.	Information is consistent with: a. Geology section			
	b. Water supply section	V		

III. <u>Information Sources</u>	Yes	No	NA
 Proper USGS or state geologic survey reports used for <u>Geology</u> and <u>Groundwater</u> section 			
2. Available State database information or well survey results used to document Water Supply and Groundwaters section			
	/		
3. Additional information from local, state or federal agencies appropriately used			·
		· · · · · · · · · · · · · · · · · · ·	
IV. SI form	Yes	No	NA
			i
Part 5 III Groundwater			
	/		
Ol. Groundwater use in vicinity = groundwater use within 3 miles of the site	/		
Ol. Groundwater use in vicinity = groundwater use within 3 miles of the site O4. Depth to groundwater = depth to groundwater in soils, unconfined aquifer or depth to top of confined aquifer	/		
use within 3 miles of the site O4. Depth to groundwater = depth to ground- water in soils, unconfined aquifer or depth to top of confined aquifer O8. Sole source aquifer designated in	\/ \/	✓	
Ol. Groundwater use in vicinity = groundwater use within 3 miles of the site O4. Depth to groundwater = depth to groundwater in soils, unconfined aquifer or depth to top of confined aquifer O8. Sole source aquifer designated in accordance with section 1427 of SDWA O9. Description of wells = description		V	

This item refers to discharge from the aguifer. The This is usually to local streams or rivers in the area, Please revise appropriately.

Part	5 VI Environmental Information	Yes	No	NA
01.	Permeability ranges identified match those noted in the HRS		/	
02.	"Permeability of bedrock" should provide information on permeability of upper-most aquifer	v		
05.	Soil pH can be a numerical range as defined in SCS reports			/
13.	Appropriate land use category is underlined	/		

VI. Additional Comments: (If no additional comments write N/A)

This item should be revised to a value in the appropriate range category.

The name tive of section 3 should reference where figure 3,4 was obtained from. In addition a description of how the analysis was performed should be included within the name tive.

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Section 8.1 Summary mentions that samples from "four shallower monitoring wells located just off site showed trace to notable levels of the volatile organic compounds" while Section 2.2 Site Layout mentions in the secend paragraph, that "All of the wells were locked and inaccessible at the time of the FIT VISIT." How could samples be obtained from monitoring wells if they were locked? Please revise to eliminate this discrepancy. In adelition all information

regarding the monitoring wells should be included within this report. Monitoring well logs, construction techniques, materials, etc. should be included. Is this information available?
within this report. Monitoring well logs, construction
techniques materials, etc. should be included.
Is this information available?